Na	ıme		Section		Date				
	<b>WELLNESS</b> Determining Dai	WORKS	HFFT						
1/	WEEERESS								
	Determining Dai	ly Energy ar	nd Macron	utrient Intake (	Goals				
If y ma a p of of nut	intain your weight at your articular day by keeping a calories in all the foods an	current daily e current activit careful and co d beverages yo ogram, or by u	y level. You can emplete record ou consumed. I sing one of se	an determine the not of everything you This calculation cates are the control of the calculation of the calc	dories you need to consume to umber of calories you consume on eat and then totaling the number n be done by hand, by using a at perform this type of analysis;				
cal	orie intake from food reco	rds can be inac	ccurate. You ca	an also estimate yo	als based on estimates of current ur daily energy needs using the need to plug in the following:				
•	Age (in years) •	Weight (in por	unds)	• Height (in inche	es)				
•	• Physical activity coefficient (PA) from the table below; to help estimate your physical activity level, consider the following guidelines: Someone who walks briskly for 30 minutes per day (or the equivalent) in addition to the activities in a sedentary lifestyle is considered "low active"; someone who walks briskly for 90 minutes per day is considered "active."								
	Physical Activ	ity Coefficien	t (PA)						
	<b>Physical Activity Level</b>	Men	Wome	en					
	Sedentary	1.00	1.00						
	Low active Active	1.12 1.27	1.14 1.27						
	Very active	1.54	1.45						
Est	timated Daily Energy Re	anirement for	Weight Mai	ntenance in Men					
	$864 - (9.72 \times \text{Age}) + (\text{PA})$	_	_						
1.	9.72 × Age (ye		_	<i>E</i> 717					
	864 – Result fr			lt mav he a negativ	e numher]				
	6.39 × Weight	-	_		- ······				
	12.78 × Heigh	_							
	Result from ste			sten 4 =					
	PA (from table				_				
	Result from ste			_	Calories per day				
	timated Daily Energy Re	_		_					
LLS	$387 - (7.31 \times \text{Age}) + (PA)$	-	_		л				
1	$7.31 \times \underline{\qquad}$ Age (ye		_	/o // Height/j/					
	7.51 \times Age (y)			1, 1	7 3				

	imated Bury Energy Requirement for Weight Maintenance in Women						
	$387 - (7.31 \times Age) + (PA \times [(4.91 \times Weight) + (16.78 \times Height)])$						
1.	$7.31 \times $ Age (years) =						
2.	387 -  Result from step $1 = $ [result may be a negative number]						
3.	4.91 × Weight (pounds) =						
4.	16.78 × Height (inches) =						
5.	Result from step 3 + Result from step 4 =						
6.	$\_$ PA (from table) $\times$ $\_$ Result from step 5 = $\_$						
7.	Result from step 2 + Result from step 6 = Calories per day						

(over)

Protein

Carbohydrate

Fat

## Setting Intake Goals for Protein, Fat, and Carbohydrate

Once you have an estimate of your daily energy (calorie) needs, the next step is to set goals for daily intake from the three classes of macronutrients—protein, fat, and carbohydrate. You can allocate your total daily calories among the three classes of macronutrients to suit your preferences; just make sure that the three percentage values you select total 100% and that your values fall within the Acceptable Macronutrient Distribution Ranges (AMDRs) set by the Food and Nutrition Board of the National Academies. For example, you may choose targets of 15% of total daily calories from protein, 35% from fat, and 50% from carbohydrate. Fill in your percentage goals in the chart below:

Nutrient	AMDR (% of total daily calories)	Individual goals (% of total daily calories)
Protein	10–35%	%
Fat	20–35%	%
Carbohydrat	e 45–65%	%
		100%

To translate your own percentage goals into daily intake goals expressed in calories and grams, multiply the percentages you've chosen by your total calorie intake and then divide the result by the corresponding calories per gram. (Use the total daily calorie goal you calculated in the first part of this worksheet and the percentage goals you set in the table above.) For example, a fat limit of 35% applied to a 2200-calorie diet would be calculated as follows:  $0.35 \times 2200 = 770$  calories of total fat;  $770 \div 9$  calories per gram = 86 grams of total fat. (Remember, fat has 9 calories per gram and protein and carbohydrate have 4 calories per gram.)

Nutrient	Total calories	р (е		Calories per day of macronutrient		gram of		
Protein		×	=	calories/day	÷	4 calories/gram	= _	grams/day
Fat		×	=	calories/day	÷	9 calories/gram	= _	grams/day
Carbohydrate .		×	=	calories/day	÷	4 calories/gram	= _	grams/day
Sample for fat	2200	×	0.35 =	770 calories/day	÷	9 calories/gram	=	86 grams/day
Summary of Goals								
Total Daily Energy Intake: calories per day								
Macronutrients: Protein, Fat, Carbohydrate								
Macronutrien	t Perc	ent	of total daily	calories Ca	lor	es per day	Gı	ams per day

To determine how close you are to meeting your personal intake goals, keep a running total over the course of the day. For prepared foods, food labels list the number of grams of fat, protein, and carbohydrate; the breakdown for popular fast-food items can be found in an appendix of your text. Nutrition information is also available in many grocery stores, in published nutrition guides, in nutrition analysis software, and online. By checking these resources, you can track the total grams of fat, protein, and carbohydrate you eat and assess your current diet.

%

\_\_\_\_\_ calories/day \_\_\_\_\_ grams/day

\_\_\_\_\_ calories/day \_\_\_\_\_ grams/day

\_\_\_\_\_\_ % \_\_\_\_\_ calories/day \_\_\_\_\_ grams/day

SOURCE: Energy requirements and Acceptable Macronutrient Distribution Ranges taken from Food and Nutrition Board, Institute of Medicine, National Academies. 2002. *Dietary Reference Intakes: Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids.* Washington, D.C.: National Academy Press.